



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

# D4018-5 Job Sheet 189035



Part No: D4018-5

Job Qty: 10 pcs

Part Name: Rib



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/17/19

Job Tracking No:

Due Date: 2/15/19

Created By: Dara Macdonald

Type: Stock

Description:

**Note:** DWG REV E SHEET 5 IPP RevA: new issue DD 09.11.26 verified by:EC IPP Rev:B as per dwg revA 10.03.15  
verified by:EC IPP Rev:C as per dwg RevB DD 10.04.16 verified by:EC IPP Rev:D as per dwg revC DD  
10.08.18 verified by:EC

Ship Via:

## Bill of Materials

## Job Routing

| Op<br>No | Operation                   | Qty    | Start Date | Due<br>Date | Standard     |            | Workcenter/Supplier   |           | Sign-off                      |
|----------|-----------------------------|--------|------------|-------------|--------------|------------|-----------------------|-----------|-------------------------------|
|          |                             |        |            |             | Setup<br>Hrs | Run<br>Hrs | Workcenter / Supplier | Lead Time |                               |
| 100      | Large Fab - Basket - 1      | 10 pcs | 2/15/19    |             | 0.00         | 0.63       | Large Fab - 1         |           | MTC                           |
|          |                             |        |            |             |              |            | Large Fab - 10        |           |                               |
|          |                             |        |            |             |              |            | Large Fab - 2         |           |                               |
|          |                             |        |            |             |              |            | Large Fab - 3         |           |                               |
|          |                             |        |            |             |              |            | Large Fab - 4         |           |                               |
|          |                             |        |            |             |              |            | Large Fab - 5         |           |                               |
|          |                             |        |            |             |              |            | Large Fab - 6         |           |                               |
|          |                             |        |            |             |              |            | Large Fab - 7         |           |                               |
|          |                             |        |            |             |              |            | Large Fab - 8         |           |                               |
| 110      | QC 5                        | 10 pcs | 2/15/19    |             | 0.00         | 0.00       | Large Fab - 9         |           | DAS<br>FEB 14 2019 68<br>9-89 |
|          |                             |        |            |             |              |            | QC 5 - 10             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 12             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 17             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 18             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 19             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 22             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 24             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 3              |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 38             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 42             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 43             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 49             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 51             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 58             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 68             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 9              |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 50             |           |                               |
|          |                             |        |            |             |              |            | QC 5 - 30             |           |                               |
| 120      | Packaging 3-1 - Stock - B4B | 10 pcs | 2/15/19    |             | 0.00         | 0.00       | Packaging 3 - 1 - B4B |           |                               |

|     |            |        |         |                        |                 |
|-----|------------|--------|---------|------------------------|-----------------|
|     |            |        |         | Packaging 3 - 2 - B4B  |                 |
|     |            |        |         | Packaging 3 - 3 - B4B  |                 |
|     |            |        |         | Packaging 3 - 4 - B4B  |                 |
|     |            |        |         | Packaging 3 - 5 - B4B  |                 |
|     |            |        |         | Packaging 3 - 6 - B4B  |                 |
|     |            |        |         | Packaging 3 - 7 - B4B  |                 |
|     |            |        |         | Packaging 3 - 8 - B4B  |                 |
|     |            |        |         | Packaging 3 - 9 - B4B  |                 |
|     |            |        |         | Packaging 3 - 10 - B4B |                 |
|     |            |        |         | Packaging 3 - 11 - B4B |                 |
|     |            |        |         | Packaging 3 - 12 - B4B |                 |
|     |            |        |         | Packaging 3 - 13 - B4B |                 |
|     |            |        |         | Packaging 3 - 14 - B4B |                 |
|     |            |        |         | Packaging 3 - 15 - B4B |                 |
|     |            |        |         | Packaging 3 - 16 - B4B |                 |
|     |            |        |         | Packaging 3 - 17 - B4B |                 |
|     |            |        |         | Packaging 3 - 18 - B4B |                 |
|     |            |        |         | Packaging 3 - 19 - B4B |                 |
|     |            |        |         | Packaging 3 - 20 - B4B |                 |
|     |            |        |         | Packaging 3 - 21 - B4B |                 |
|     |            |        |         | Packaging 3 - 22 - B4B |                 |
|     |            |        |         | Packaging 3 - 23 - B4B |                 |
|     |            |        |         | Packaging 3 - 24 - B4B |                 |
|     |            |        |         | Packaging 3 - 25 - B4B |                 |
|     |            |        |         | Packaging 3 - 26 - B4B |                 |
|     |            |        |         | Packaging 3 - 27 - B4B |                 |
|     |            |        |         | Packaging 3 - 28 - B4B |                 |
|     |            |        |         | Packaging 3 - 29 - B4B |                 |
|     |            |        |         | Packaging 3 - 30 - B4B |                 |
|     |            |        |         | Packaging 3 - 31 - B4B |                 |
|     |            |        |         | Packaging 3 - 32 - B4B |                 |
|     |            |        |         | Packaging 3 - 33 - B4B |                 |
|     |            |        |         | Packaging 3 - 34 - B4B |                 |
|     |            |        |         | Packaging 3 - 35 - B4B |                 |
| 130 | QC 21 - SA | 10 pcs | 2/15/19 | 0.00 0.00              | QC 21 - SA - 21 |
|     |            |        |         |                        | QC 21 - SA - 70 |

Part Op 100 - (Fabricate per Drwg)  
 Descriptions: 110 - (QC5- Inspect part completeness to step on W/O)  
 120 - (Identify as per dwg & Stock Location: \_\_\_\_\_)  
 130 - (QC21- Final Inspection - Work Order Release)

DAS  
21  
9-89  
FEB 14 2019

#### Job BOM

| Part / Item      | Component Name | Quantity             | Operation                  | Container |
|------------------|----------------|----------------------|----------------------------|-----------|
| M304TS0.500W.049 | Square Tubing  | 5.5580 ft (.5558 ea) | 100-Large Fab - Basket - 1 | 5139624   |

#### Job Allocations

| Operation                  | Component Part   | Required | Inventory | Allocated |
|----------------------------|------------------|----------|-----------|-----------|
| 100-Large Fab - Basket - 1 | M304TS0.500W.049 | 6        | 183       | 0         |



Container No: S150692



Part: D4018-5  
 Job No: 189035  
 Serial No/Batch: S150692

Revision:  
 Inspector:  
 Exp Date:  
 Instructions: Various STC's

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 Email: sales@dartaero.com  
 www.dartaerospace.com

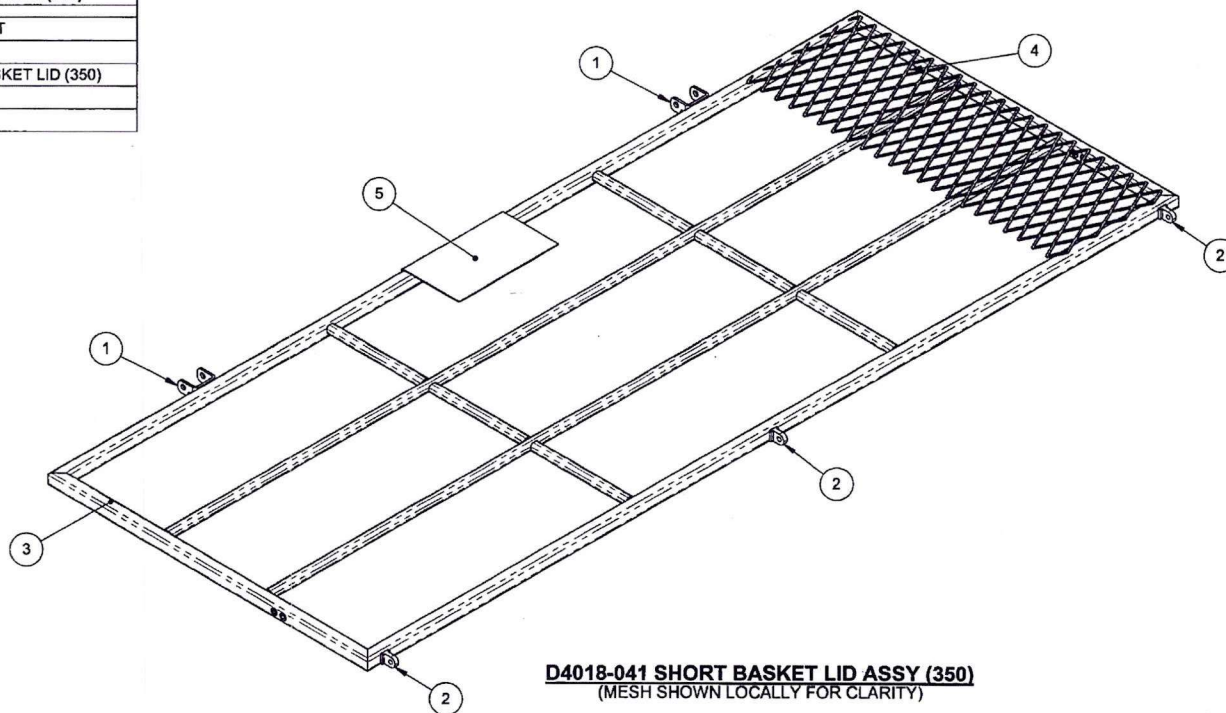
found.

Plex 1/17/19 1:39 PM Dart.Macdonald.Dara

Date: 02/05/19



| ITEM | QTY<br>-041 | P/N       | DESCRIPTION                    |
|------|-------------|-----------|--------------------------------|
|      | X           | D4018-041 | SHORT BASKET LID ASSY (350)    |
| 1    | 2           | D2581     | MOUNTING BRACKET               |
| 2    | 3           | D4016-3   | HINGE HALF, LID                |
| 3    | 1           | D4018-101 | TUBULAR ASSY, BASKET LID (350) |
| 4    | 1           | D4020-7   | MESH                           |
| 5    | 1           | D4021-3   | DATA PLATE                     |



**D4018-041 SHORT BASKET LID ASSY (350)**  
(MESH SHOWN LOCALLY FOR CLARITY)

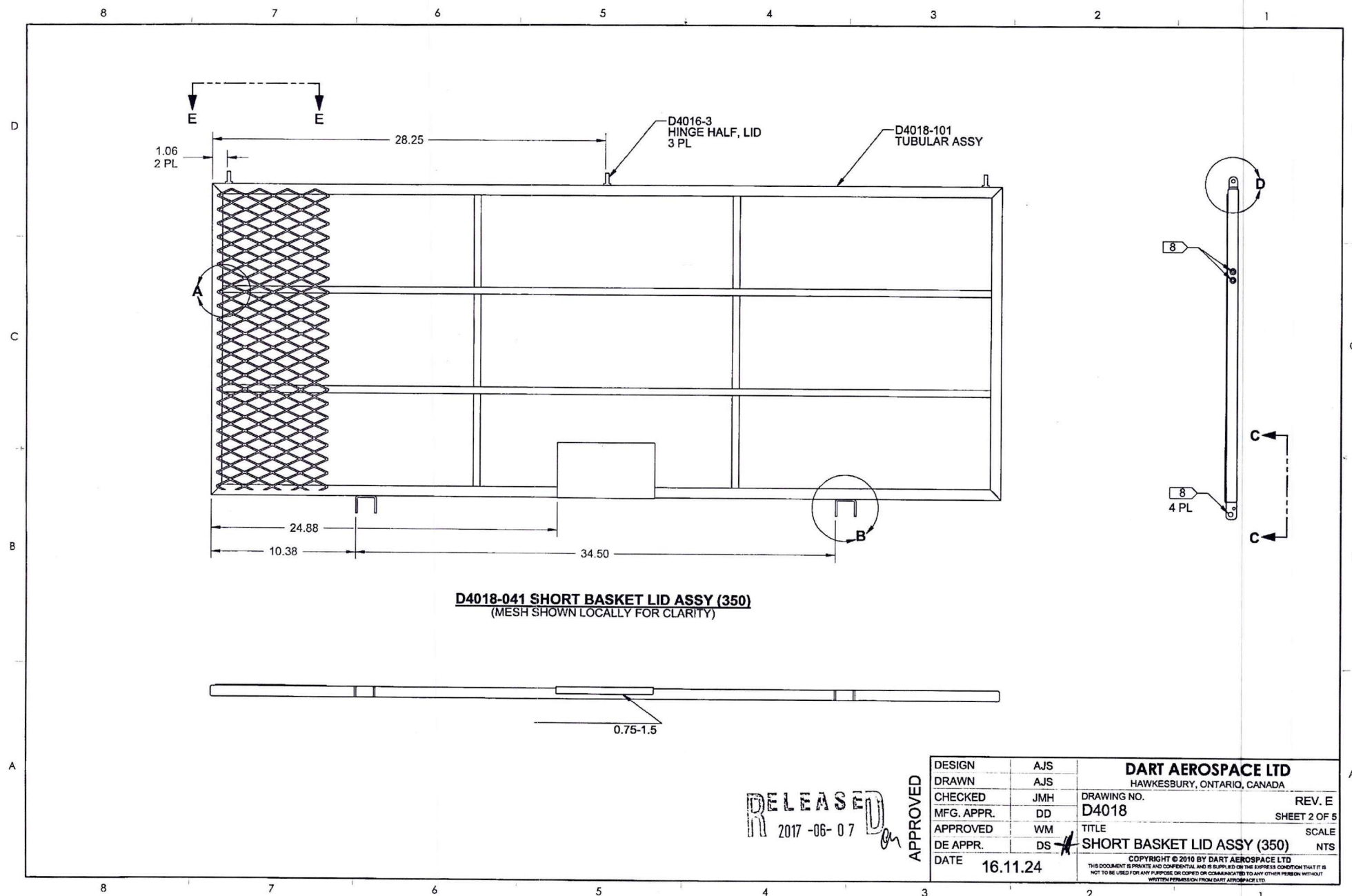
**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT BLACK SANDTEX (4.3.5.7) PER DART QSI 005 4.3  
APPLY BLACK ANTI-SKID PAINT TO OUTSIDE SURFACE OF MESH PER DART QSI 005 4.4
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: SCRIBE DART P/N AND B/N USING 0.13 (MINIMUM) HIGH LETTERING PER QSI 044 6.4
- 7) WEIGHT: 14.6 lbs APPROX
- 8) MASK HOLES PRIOR TO FINISHING
- 9) WELD PER DART QSI 004
- 10) MASK THIS AREA PRIOR TO FINISH

|            |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| E          | ALL DETAIL/SECTION VIEW LETTERS UPDATED.<br>SHEET 1: D2728-3 DELETED, UPDATED NOTE 6, ADDED<br>NOTES 10. SHEET 2 ADDED VIEW E-E. (PAR15-418)                                                                                                                                                    | AJS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16.11.24     |
| D          | C7-3 D4035-043 WAS D4035-041 (REASON: PROPARM<br>OPTION DELETED).                                                                                                                                                                                                                               | AJS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 13.07.18     |
| C          | REMOVED D4086-232, UPDATED DETAIL E ACCORDINGLY<br>(C8-2). REASON: NOW INSTALLED BY OPERATORS PER<br>D350-607-2 REV. C AND D350-607-3 REV. A.                                                                                                                                                   | MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 10.08.05     |
| B          | BOM: INSERTED QTY 1 D2728-3 AS ITEM 3 & QTY 1 D4086-<br>232 PLACARD AS ITEM 7. ITEMS RENUMBERED AS REQD.<br>SHEET 2, NOTES: PAINT SPEC ADDED & NOTE 7 & 8<br>REVISED. (B4-2) FRONT VIEW ADDED, WELDING<br>SYMBOLS REVISED. DETAIL VIEW E ADDED (C4-2)&(C82).<br>SIDE VIEWS ADDED (C1-4)&(D1-4). | JPH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10.03.25     |
| A          | NEW ISSUE                                                                                                                                                                                                                                                                                       | JPH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10.03.04     |
| REV.       | DESCRIPTION                                                                                                                                                                                                                                                                                     | BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DATE         |
| DESIGN     | AJS                                                                                                                                                                                                                                                                                             | <div>DART AEROSPACE LTD</div> <div>HAWKESBURY, ONTARIO, CANADA</div> <div>DRAWING NO. D4018</div> <div>TITLE SHORT BASKET LID ASSY (350)</div> <div>DATE 16.11.24</div> <div><div>COPYRIGHT © 2010 BY DART AEROSPACE LTD</div><div>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS<br/>NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT<br/>WRITTEN PERMISSION FROM DART AEROSPACE LTD.</div></div> |              |
| DRAWN      | AJS                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| CHECKED    | JMH                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| MFG. APPR. | DD                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| APPROVED   | WM                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |
| DE APPR.   | DS                                                                                                                                                                                                                                                                                              | REV. E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SHEET 1 OF 5 |
| DATE       |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SCALE        |
|            |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NTS          |

RELEASED  
2017-06-07  
Gur 17-580

APPROVED



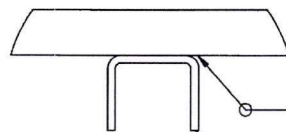
RELEASED  
2017-06-07

APPROVED

TACK WELD MESH  
AT EVERY AVAILABLE  
LOCATION

D4020-7  
MESH

**DETAIL A**  
SCALE 3X

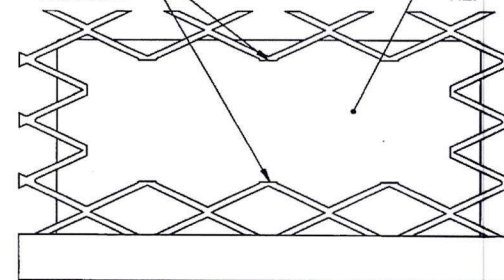


**DETAIL B**  
2 PL  
SCALE 3X

D2581  
MOUNTING BRACKET

TACK WELD MESH  
AT EVERY AVAILABLE  
LOCATION

D4021-3  
DATA PLATE  
REF



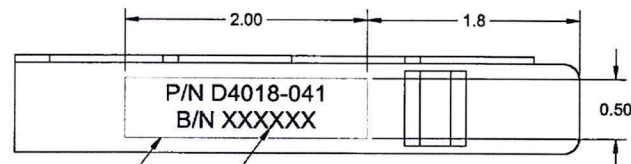
**VIEW C-C**  
SCALE 3X

D4016-3  
HINGE HALF, LID  
REF

0.06

8

**DETAIL D**  
3 PL  
SCALE 3X



**VIEW E-E**  
SCALE 6X

|            |          |
|------------|----------|
| DESIGN     | AJS      |
| DRAWN      | AJS      |
| CHECKED    | JMH      |
| MFG. APPR. | DD       |
| APPROVED   | WM       |
| DE APPR.   | DS       |
| DATE       | 16.11.24 |

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

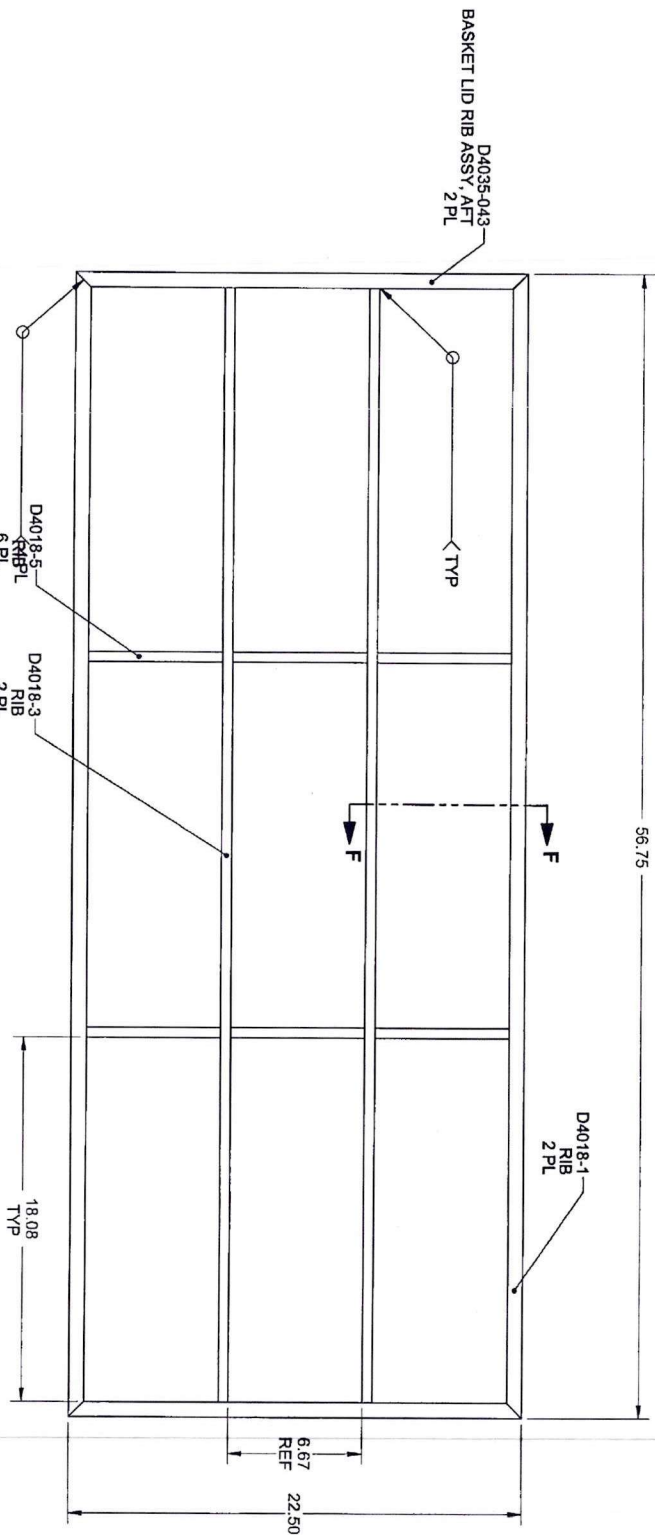
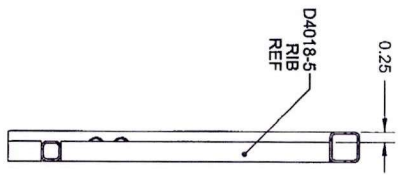
DRAWING NO. **D4018** REV. E  
SHEET 3 OF 5  
TITLE **SHORT BASKET LID ASSY (350)** SCALE NTS

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**RELEASED**  
2017-06-07

**APPROVED**

| ITEM | QTY | P/N       | DESCRIPTION                    |
|------|-----|-----------|--------------------------------|
| 1    | X   | D4018-101 | TUBULAR ASSY, BASKET LID (350) |
| 2    |     | D4018-1   | RIB                            |
| 3    |     | D4018-3   | RIB                            |
| 4    |     | D4018-5   | RIB                            |
| 5    |     | D4035-043 | BASKET LID RIB ASSY, AFT       |



8 D4018-101 TUBULAR ASSY, BASKET LID (350)

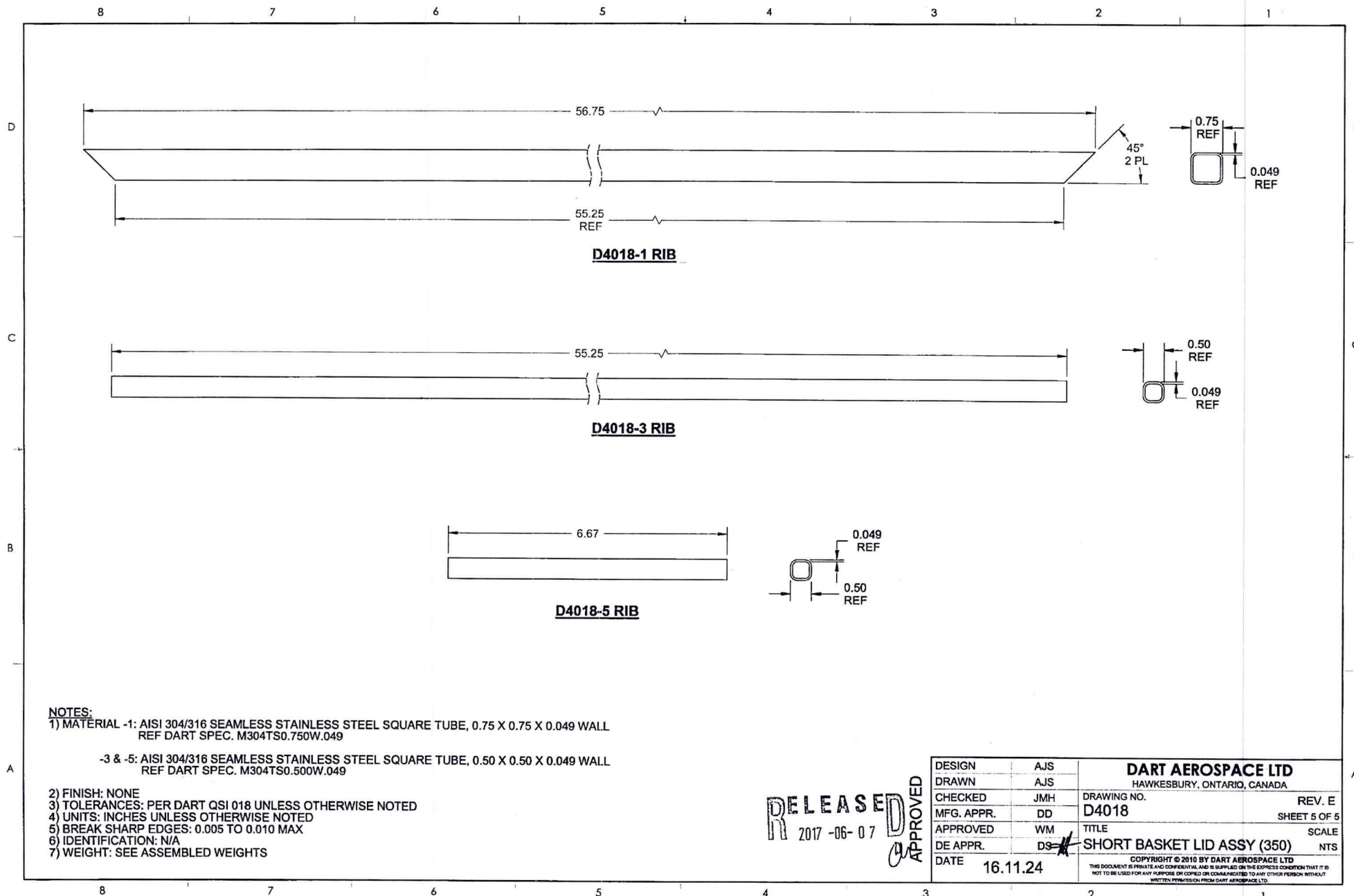
- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART OSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: 9.06 lbs
  - 8) TOLERANCE FOR XX.XX DIMENSIONS 0.06 FOR D4018-101
  - 9) WELD PER DART OSI 004

RELEASED  
2017-06-07  
APPROVED

|            |          |                             |
|------------|----------|-----------------------------|
| DESIGN     | AJS      | DART AEROSPACE LTD          |
| DRAWN      | AJS      | HAWKESBURY, ONTARIO, CANADA |
| CHECKED    | JMH      | DRAWING NO. D4018           |
| MFG. APPR. | DD       | REV. E                      |
| APPROVED   | WM       | SHEET 4 OF 6                |
| DE APPR.   | DS       | SCALE                       |
| DATE       | 16.11.24 | SHORT BASKET LID ASSY (350) |
|            |          | NTS                         |

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Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |              |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        |              |  |
| Date : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Sequence #: _____                                                                                                                 | QTY Affected : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        | MRB (QSI042) |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Disposition            |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Completed By           |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lead hand / Supervisor |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | QC / QA Coordinator    |              |  |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column; gap: 5px;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Preservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |                        |              |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                        |              |  |